FIG. 1

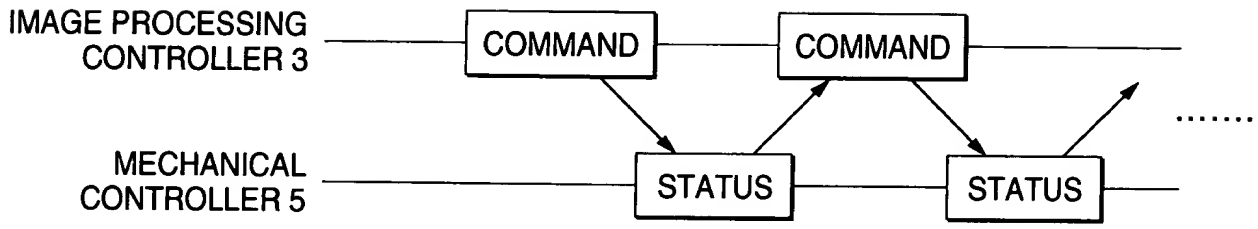
IMAGE PROCESSING CONTROLLER 3
COMMAND
COMMAND
MECHANICAL CONTROLLER 5
STATUS
STATUS

FIG. 2

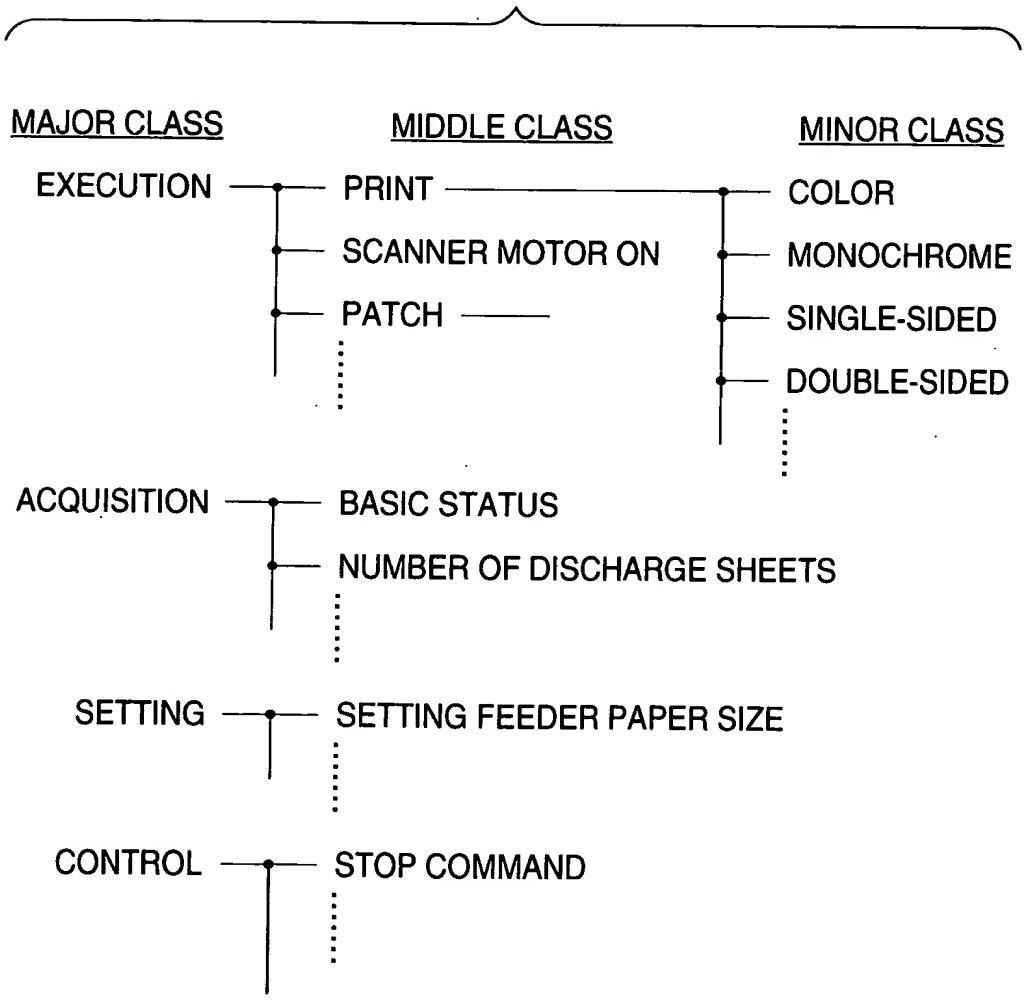
MAJOR CLASS
MIDDLE CLASS
MINOR CLASS
EXECUTION
PRINT
COLOR
MONOCHROME
SINGLE-SIDED
DOUBLE-SIDED
SCANNER MOTOR ON
PATCH
ACQUISITION
BASIC STATUS
NUMBER OF DISCHARGE SHEETS
SETTING
SETTING FEEDER PAPER SIZE
CONTROL
STOP COMMAND

FIG. 3A

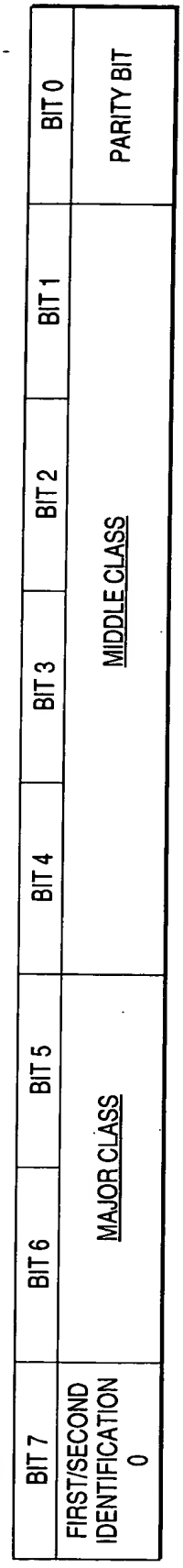
1ST COMMAND
BIT 7
BIT 6
BIT 5
BIT 4
BIT 3
BIT 2
BIT 1
BIT 0
FIRST/SECOND IDENTIFICATION 0
MAJOR CLASS
MIDDLE CLASS
PARITY BIT

FIG. 3B

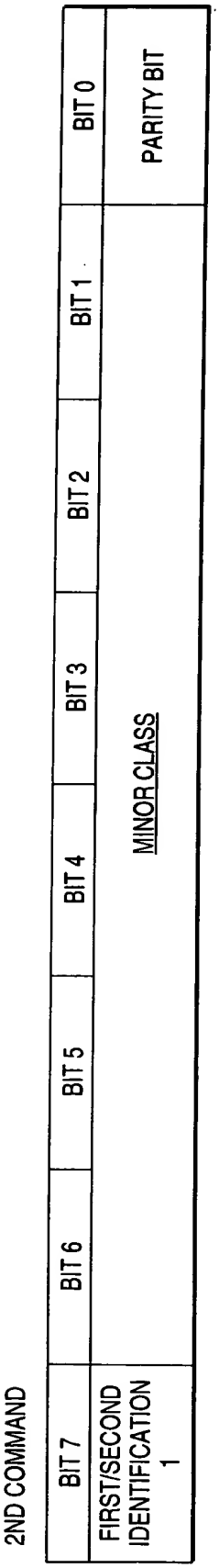
2ND COMMAND
BIT 7
BIT 6
BIT 5
BIT 4
BIT 3
BIT 2
BIT 1
BIT 0
FIRST/SECOND IDENTIFICATION 1
MINOR CLASS
PARITY BIT

FIG. 4A

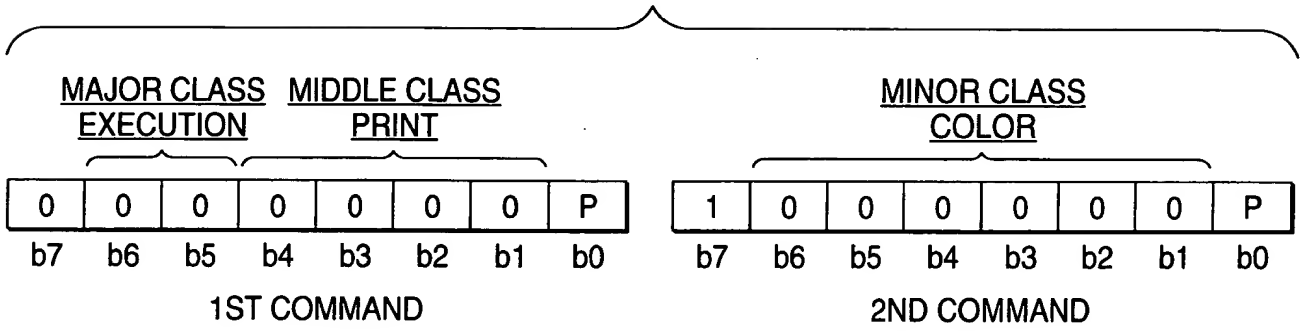

FIG. 4B

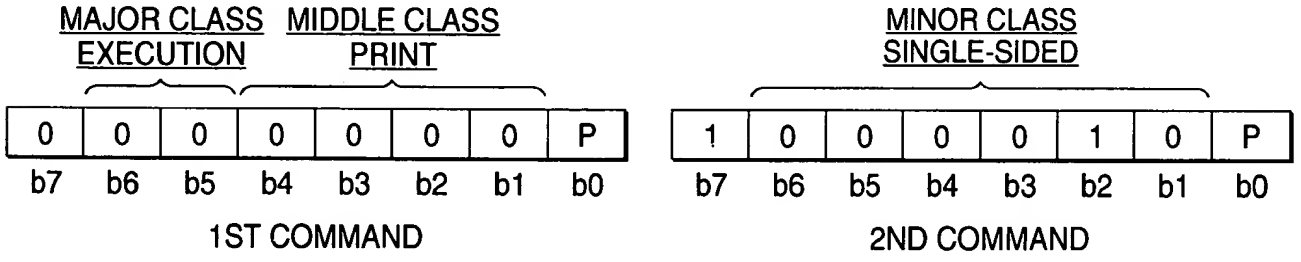

FIG. 4C

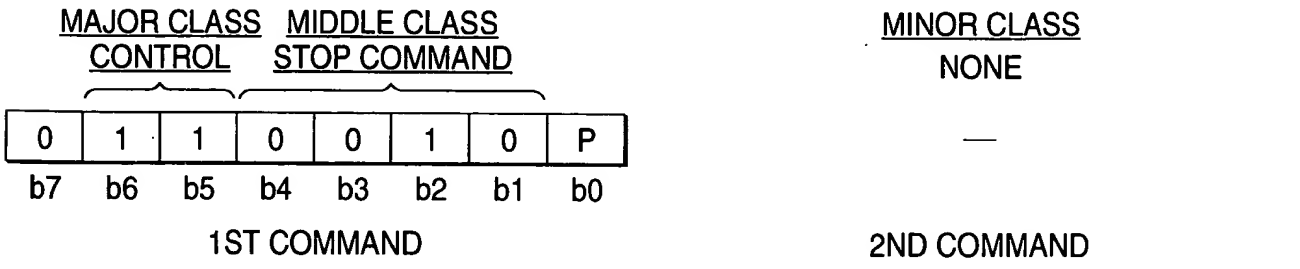

FIG. 5

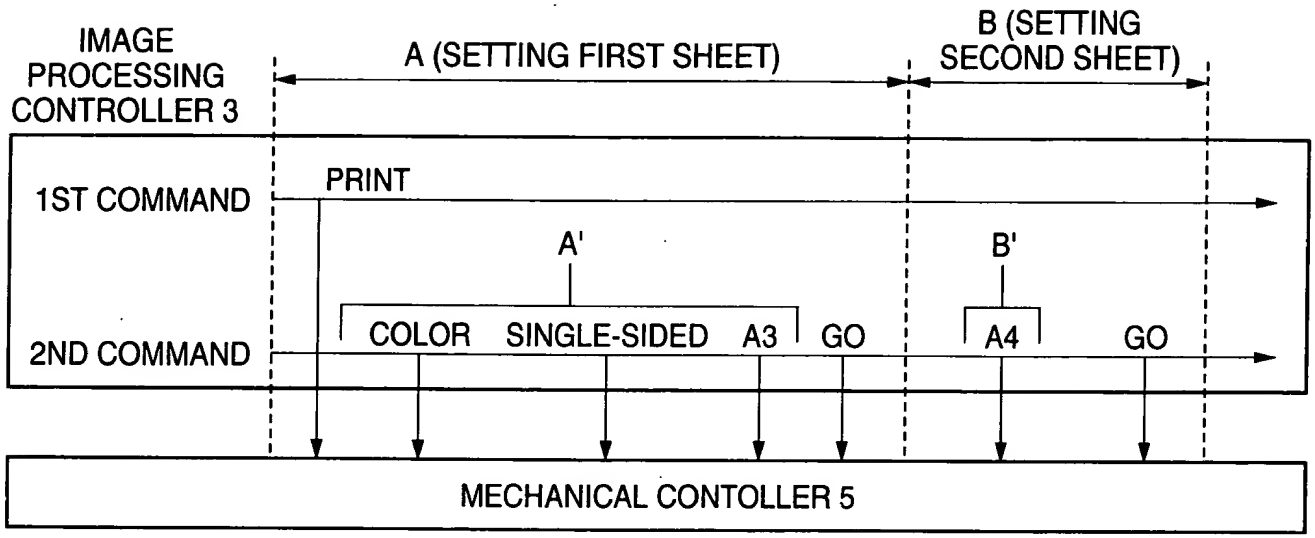
IMAGE PROCESSING CONTROLLER 3
A (SETTING FIRST SHEET)
B (SETTING SECOND SHEET)
1ST COMMAND
PRINT
A'
B'
2ND COMMAND
COLOR
SINGLE-SIDED
A3
GO
A4
GO
MECHANICAL CONTOLLER 5

FIG. 6

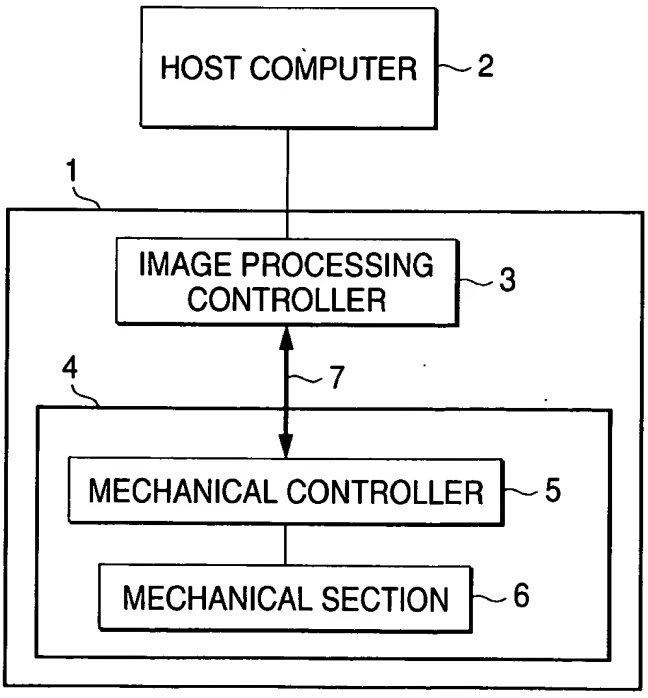
HOST COMPUTER
2
1
IMAGE PROCESSING CONTROLLER
3
4
7
MECHANICAL CONTROLLER
5
MECHANICAL SECTION
6

FIG. 7

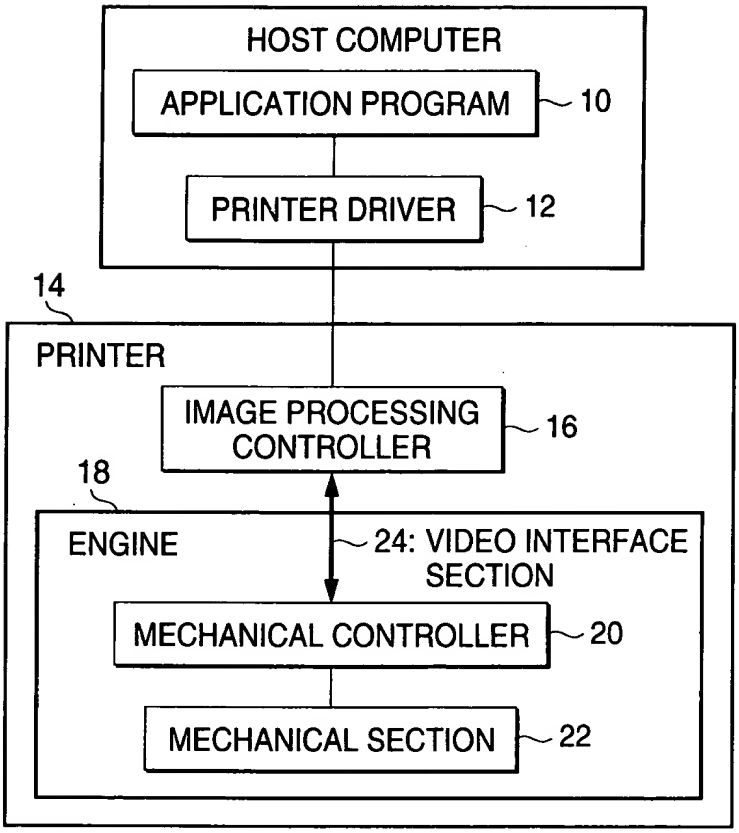
HOST COMPUTER
APPLICATION PROGRAM
10
PRINTER DRIVER
12
14
PRINTER
IMAGE PROCESSING CONTROLLER
16
18
ENGINE
24: VIDEO INTERFACE SECTION
MECHANICAL CONTROLLER
20
MECHANICAL SECTION
22

FIG. 8

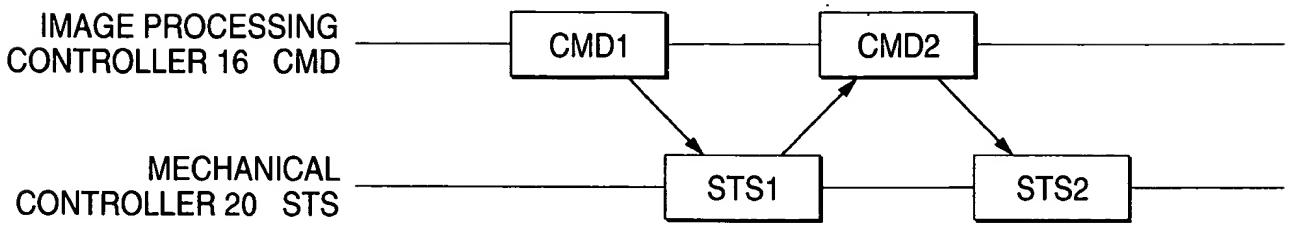
IMAGE PROCESSING CONTROLLER 16 CMD
CMD1
CMD2
MECHANICAL CONTROLLER 20 STS
STS1
STS2

FIG. 9

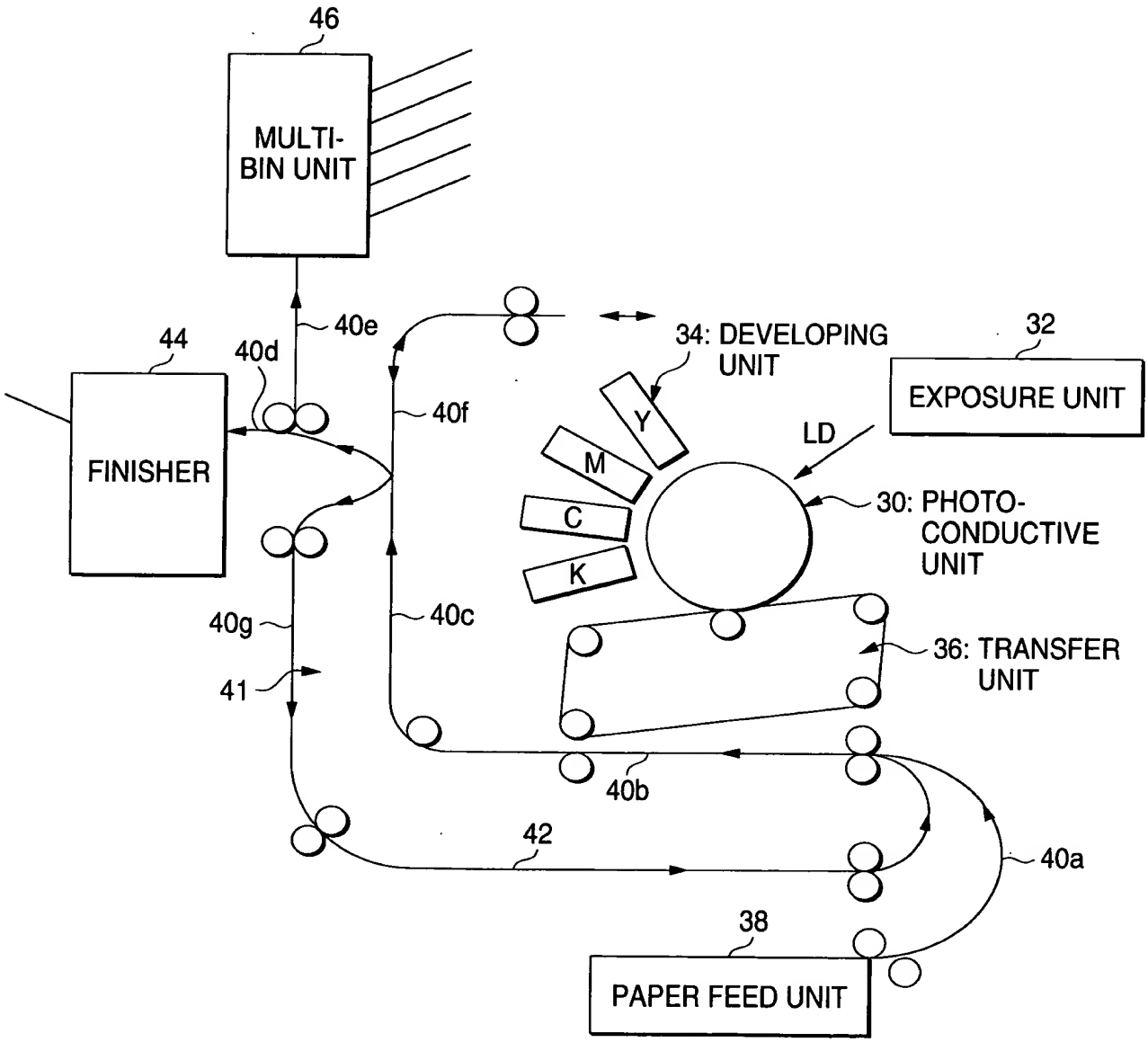
46
MULTI-
BIN UNIT
44
40d
40e
40f
FINISHER
34: DEVELOPING
UNIT
32
EXPOSURE UNIT
LD
Y
M
C
K
30: PHOTO-
CONDUCTIVE
UNIT
40g
40c
36: TRANSFER
UNIT
41
40b
42
40a
38
PAPER FEED UNIT

FIG. 10

PRINT MODE	NUMBER OF PRINTABLE SHEETS IN MINIMUM PRINT CYCLE		
	ONE SHEET /CYCLE	TWO SHEETS /CYCLE	THREE SHEETS /CYCLE
(1) SINGLE-SIDED/COLOR/ SHORT PAPER	○	○	
(2) SINGLE-SIDED/COLOR/ LONG PAPER	○		
(3) SINGLE-SIDED/MONOCHROME/ SHORT PAPER	○	○	
(4) SINGLE-SIDED/MONOCHROME/ LONG PAPER	○		
(5) DOUBLE-SIDED/COLOR/ SHORT PAPER	○	○	
(6) DOUBLE-SIDED/COLOR/ LONG PAPER	○		
(7) DOUBLE-SIDED/MONOCHROME/ SHORT PAPER	○	○	○
(8) DOUBLE-SIDED/MONOCHROME/ LONG PAPER	○		

FIG. 11A

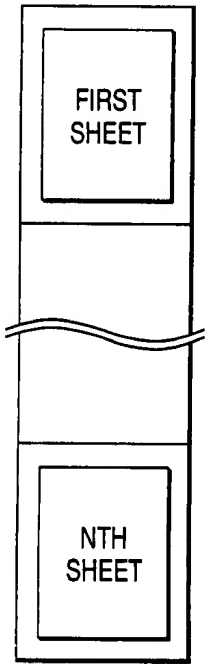

FIG. 11B

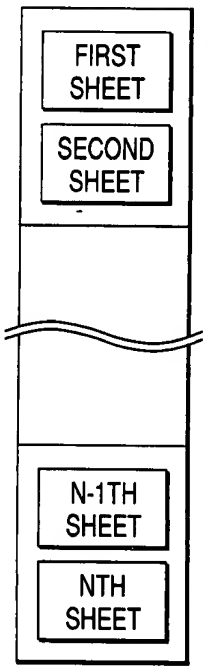

FIG. 11C

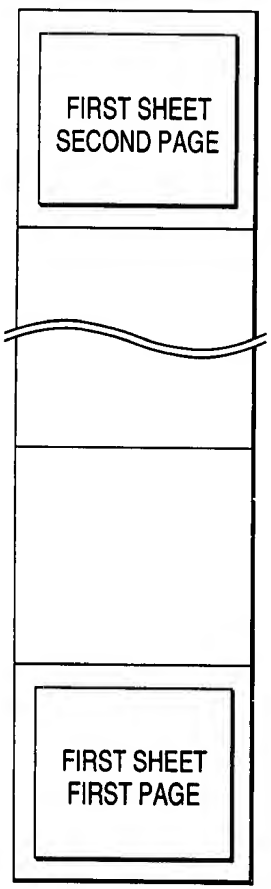

FIG. 11D

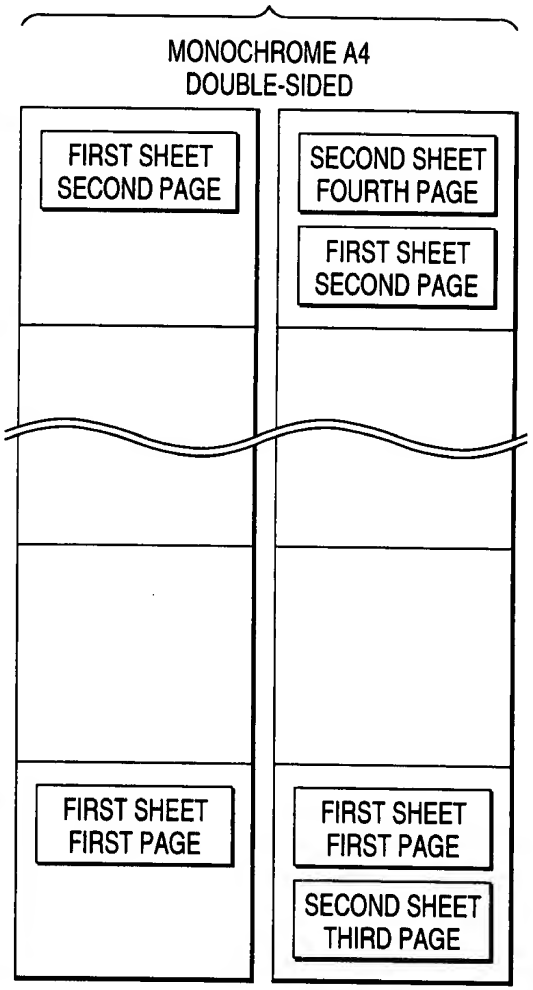

FIG. 11E

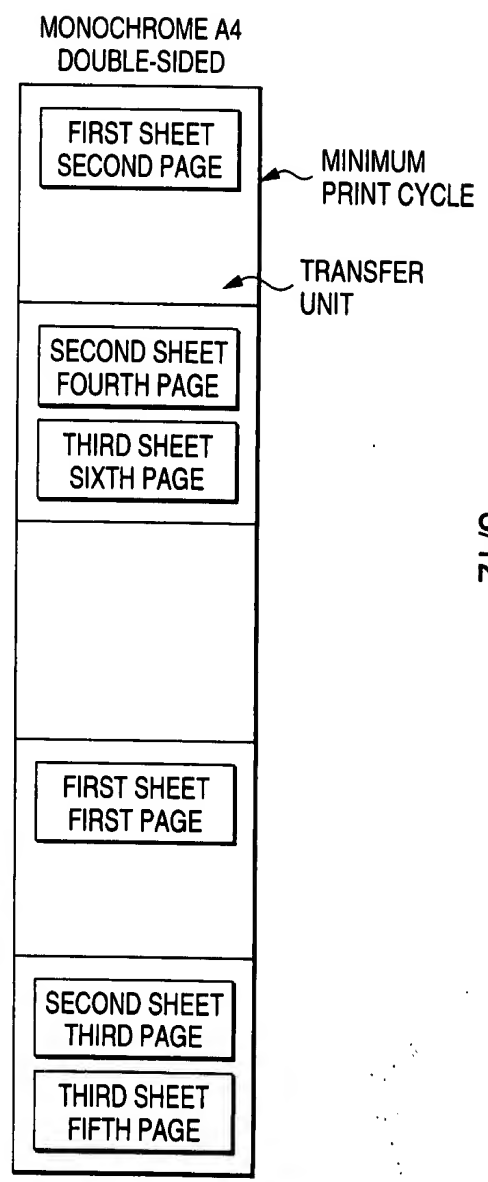

FIG. 12

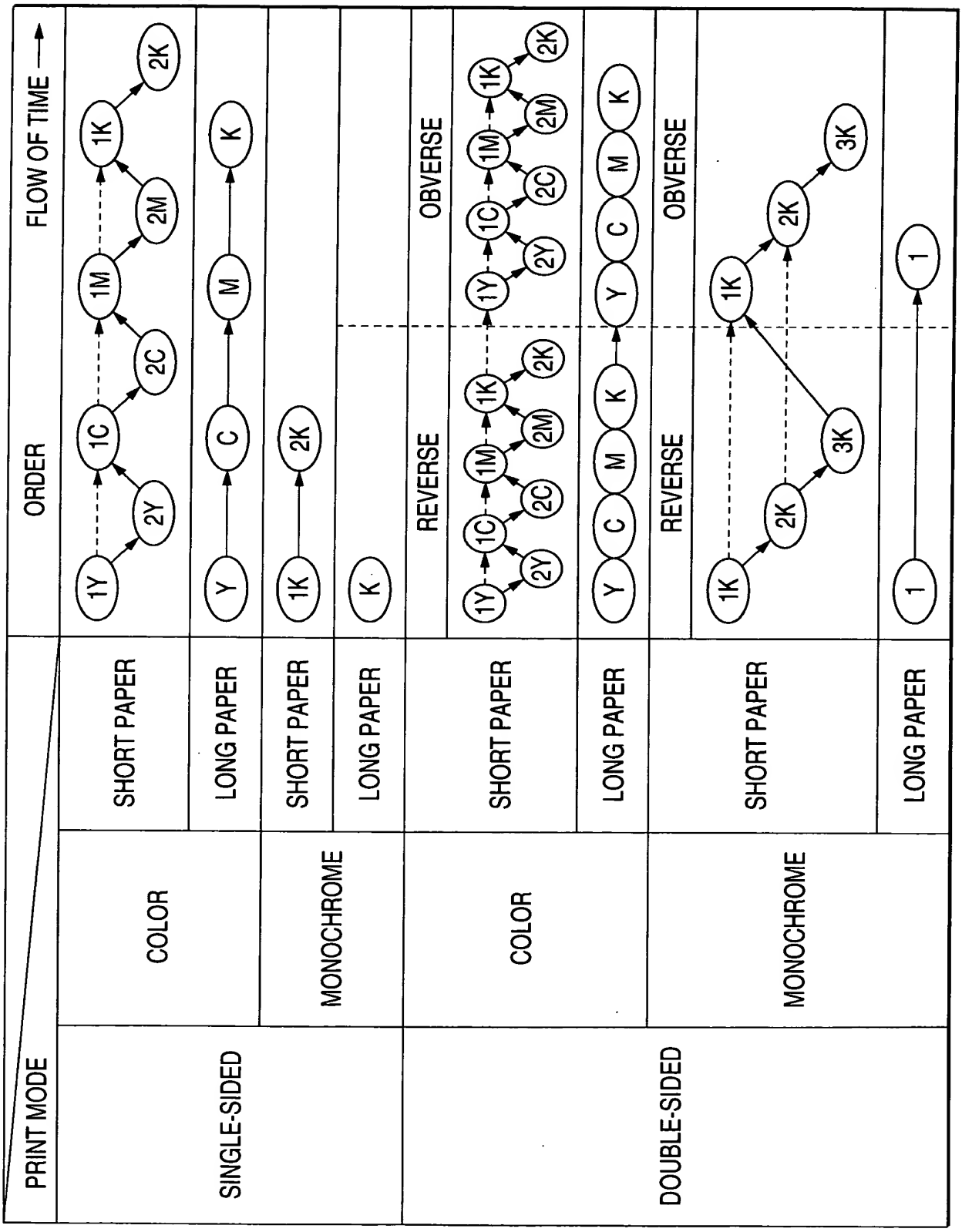
PRINT MODE
ORDER
FLOW OF TIME
SINGLE-SIDED
COLOR
SHORT PAPER
1Y
2Y
1C
2C
1M
2M
1K
2K
LONG PAPER
Y
C
M
K
MONOCHROME
SHORT PAPER
1K
2K
LONG PAPER
K
DOUBLE-SIDED
COLOR
REVERSE
OBVERSE
SHORT PAPER
LONG PAPER
MONOCHROME
REVERSE
OBVERSE
SHORT PAPER
LONG PAPER
3K
1
2K

FIG. 13

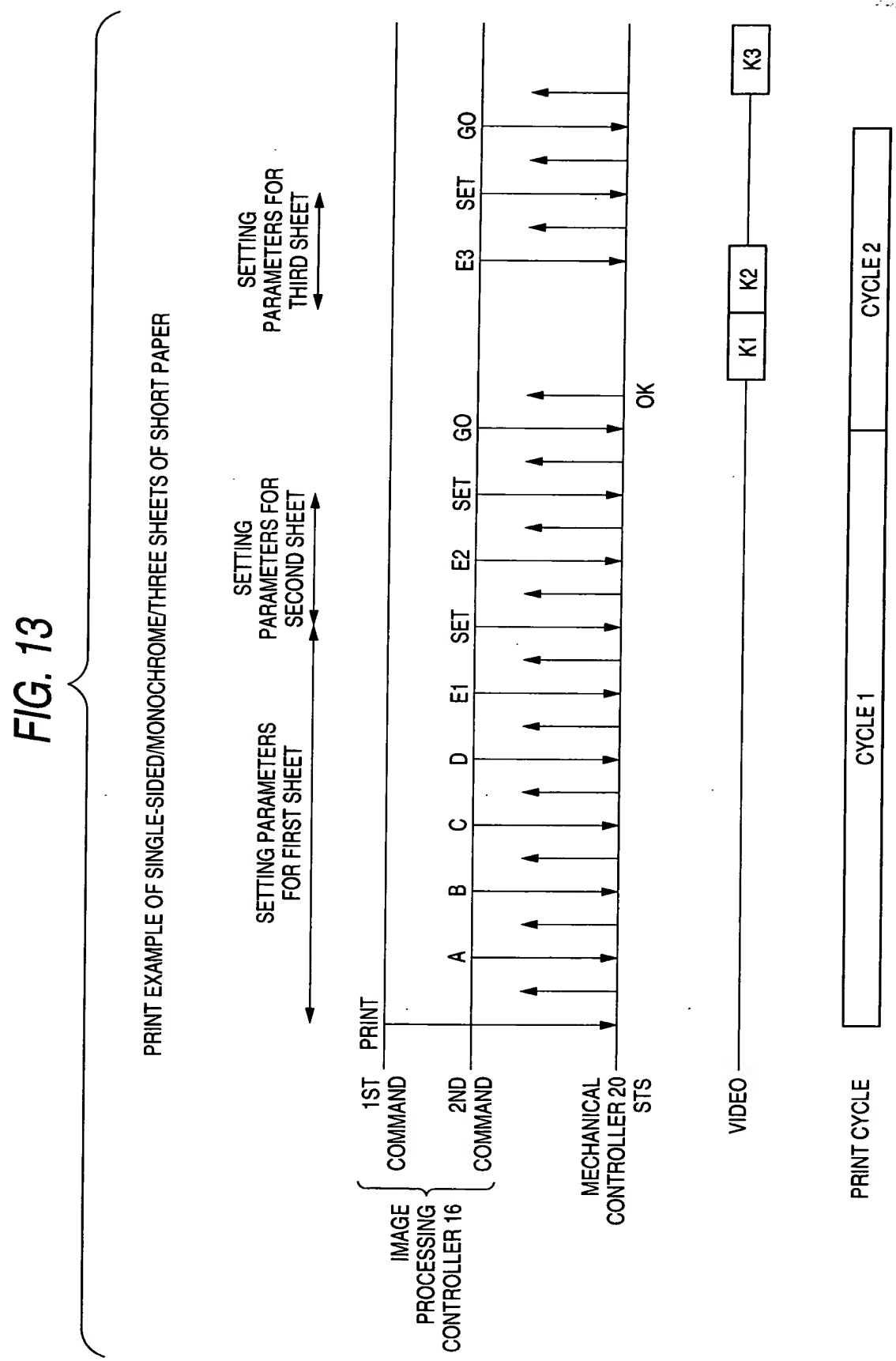
PRINT EXAMPLE OF SINGLE-SIDED/MONOCHROME/THREE SHEETS OF SHORT PAPER
SETTING PARAMETERS FOR FIRST SHEET
SETTING PARAMETERS FOR SECOND SHEET
SETTING PARAMETERS FOR THIRD SHEET
IMAGE PROCESSING CONTROLLER 16
1ST COMMAND
2ND COMMAND
PRINT
A
B
C
D
E1
SET
E2
SET
GO
E3
SET
GO
OK
MECHANICAL CONTROLLER 20
STS
VIDEO
K1
K2
K3
PRINT CYCLE
CYCLE 1
CYCLE 2

FIG. 14

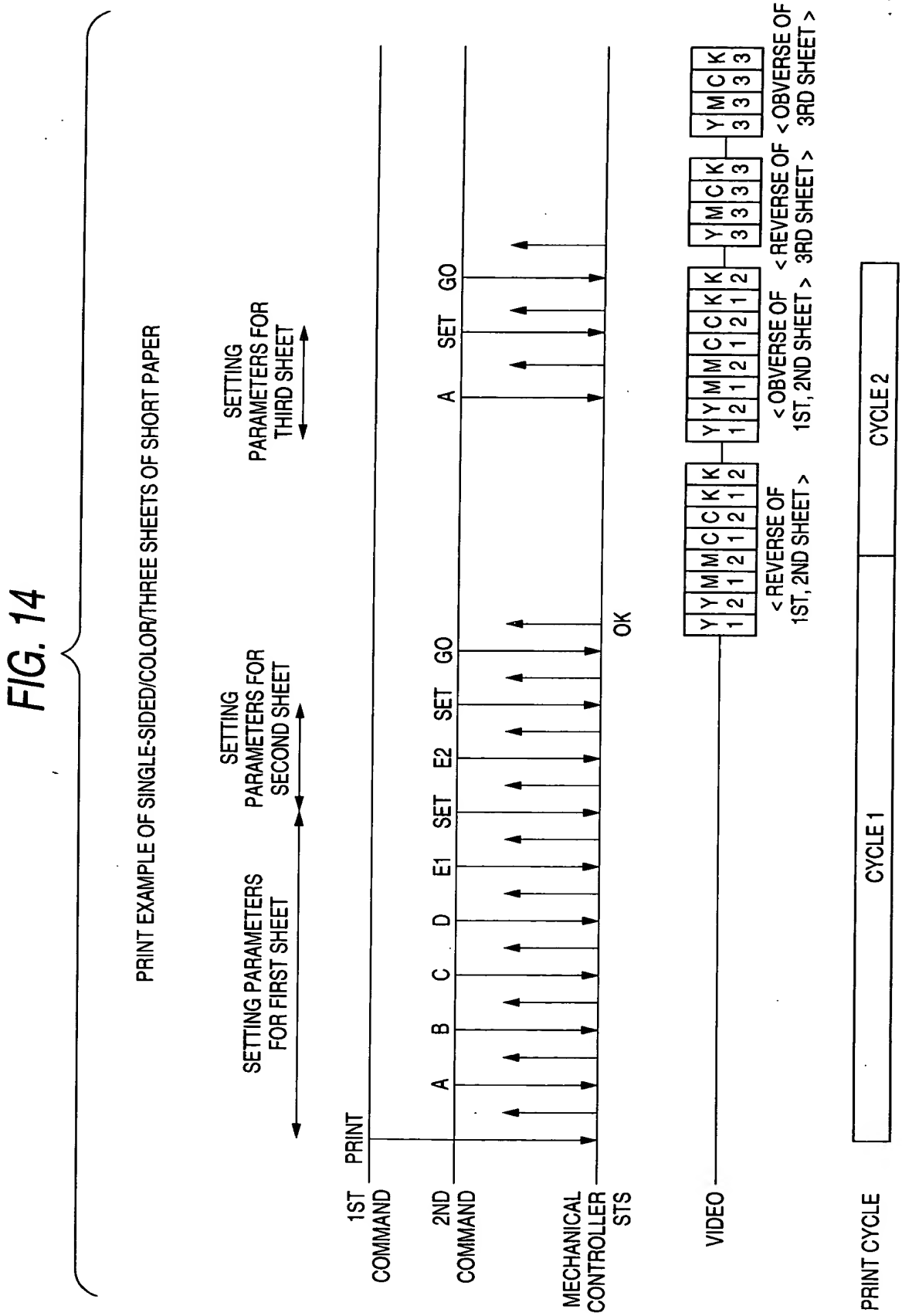
PRINT EXAMPLE OF SINGLE-SIDED/COLOR/THREE SHEETS OF SHORT PAPER
SETTING PARAMETERS FOR FIRST SHEET
SETTING PARAMETERS FOR SECOND SHEET
SETTING PARAMETERS FOR THIRD SHEET
1ST COMMAND
PRINT
2ND COMMAND
A B C D E1 SET E2 SET GO
A SET GO
MECHANICAL CONTROLLER STS
OK
VIDEO
Y Y M M C C K K
1 2 1 2 1 2 1 2
< REVERSE OF 1ST, 2ND SHEET >
< OBVERSE OF 1ST, 2ND SHEET >
Y M C K
3 3 3 3
< REVERSE OF 3RD SHEET >
< OBVERSE OF 3RD SHEET >
PRINT CYCLE
CYCLE 1
CYCLE 2

FIG. 15

PRINT EXAMPLE WHEN ERROR OCCURS (SINGLE-SIDED/COLOR/TWO SHEETS OF SHORT PAPER)